

# Comprehensive fire, security and telecommunications solutions for the oil and gas sector



The power behind **your mission**







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Protecting your people  
and assets from land  
to sea with integrated  
end-to-end solutions



# Addressing your challenges in the oil and gas sector

Oil and gas businesses are facing unique challenges in today's ever-shifting landscape. From compliance issues and increased risk to low-quality solutions and project delays, numerous problems can impact the success of a project.

Working with an integrated solutions provider can help ensure your project runs smoothly – eliminating the miscommunication and delays that can arise from dealing with multiple providers.

Finding a solutions provider with a technical understanding of your project is also key, so they can design a robust system that adheres to your needs. Additionally, it's important to choose a provider with a local presence and a proven record in quick procurement – minimising the risk of delivery delays.

We understand the needs of oil and gas businesses operating today. It's why we developed a range of robust, effective solutions – designed to successfully power your organisation and give you peace of mind.

## Your trusted partner

You face huge challenges in your sector. We understand this and are here to support you. From the protection of high-hazard oil and gas installations to the security of transportation facilities and financial institutions – we can partner with you on the most demanding projects in just about every market sector.

With a legacy tracing back to 1852 and one of the world's largest portfolios of fire, safety and asset integrity solutions, you can trust that we have the expertise. We're also behind some of the best-known brands in the industry, including Tyco Fire and Security.



Scalable and integrated solutions for fire protection, fire detection, advanced security and telecommunications



Leading-edge digital solutions that increase efficiency



Localised manufacturing facility with skid and panel build solutions and refilling capabilities



Extensive portfolio of solutions and services to suit your unique requirements

### Heritage brands

When you partner with us, you get access to our extensive portfolio of heritage brands. These include:

- Tyco®
- AUTOCALL
- Ansul®
- Spector Lumenex
- CEM
- GEM (Grinnell)
- SAPPHIRE
- SIMPLEX



# Innovation in service for life safety

Enjoy peace of mind with our best practices and industry-leading life safety and asset integrity solutions.

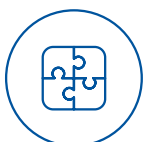
Your life safety and asset integrity systems must be in the best working order at all times. A Johnson Controls maintenance programme fulfills your ongoing maintenance requirements and highlights when upgrades and extensions are needed to achieve maximum return on your investments.

With Tyco Fire and Security – one of our main offerings – you get access to a broad range of high-quality life safety and asset integrity service solutions. Our unique safety framework provides innovation and service delivery to oil and gas and energy companies worldwide.

## Why choose Johnson Controls? We have:



Worked with major end-users and the largest engineering, procurement and construction (EPC) contractors operating in the Middle East



Provided integrated fire detection, fire protection, security and telecommunications solutions to major developments in the GCC across various market sectors



Set high standards for health, safety and environment (HSE) practices throughout our scope of work on installation, testing, commissioning and maintenance of life safety and asset integrity systems





# Actively promoting a safe working environment

As leaders in the field of fire-related life safety and asset integrity, we can help you protect what matters.

As Johnson Controls operates a zero-harm policy, you can expect everyone working on your contract to share our commitment to delivering the highest-quality products and services while protecting people and the environment.



# Full-spectrum safety and asset integrity specialist

Service maintenance and healthcare • Research and development • Design, manufacturing, installation and commission

## Detection and control

- High-integrity Sil 2/3 safety and control systems
- Sil 2 addressable fire detection
- Integrated system solutions
- Smoke, heat and carbon monoxide multi-sensors
- UV, UV/IR, IR3, 256 IR array flame vision
- HSSD/VESDA
- Digital, analogue, fibre-optic linear heat
- Flammable and toxic gas
- Open-path oil, mist and smoke



## Portable gas detection

- Supply
- Repair
- Calibrate
- Hire



## Fire protection systems

- Gaseous
- Water mist
- Foam
- Deluge
- Helideck fire protection
- Sprinkler
- Dry chemical
- Containers/cabinets/skids
- Fire fighting and safety equipment

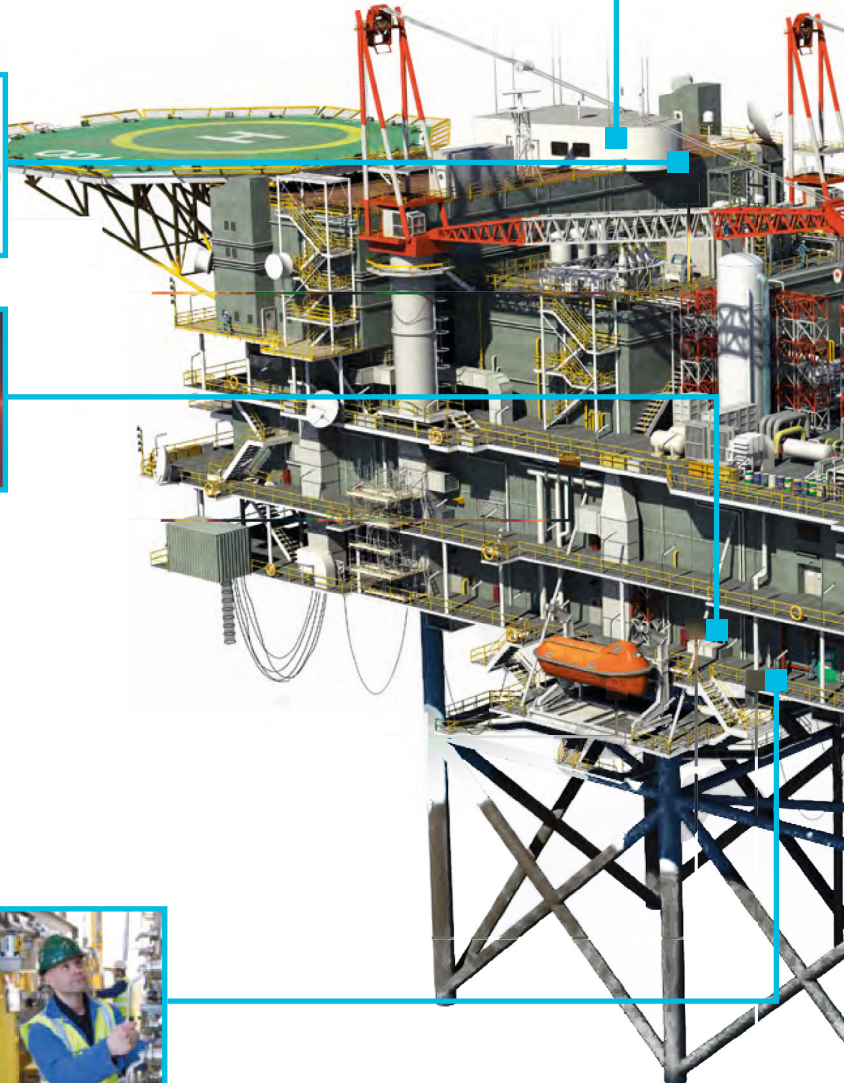


## Deluge systems

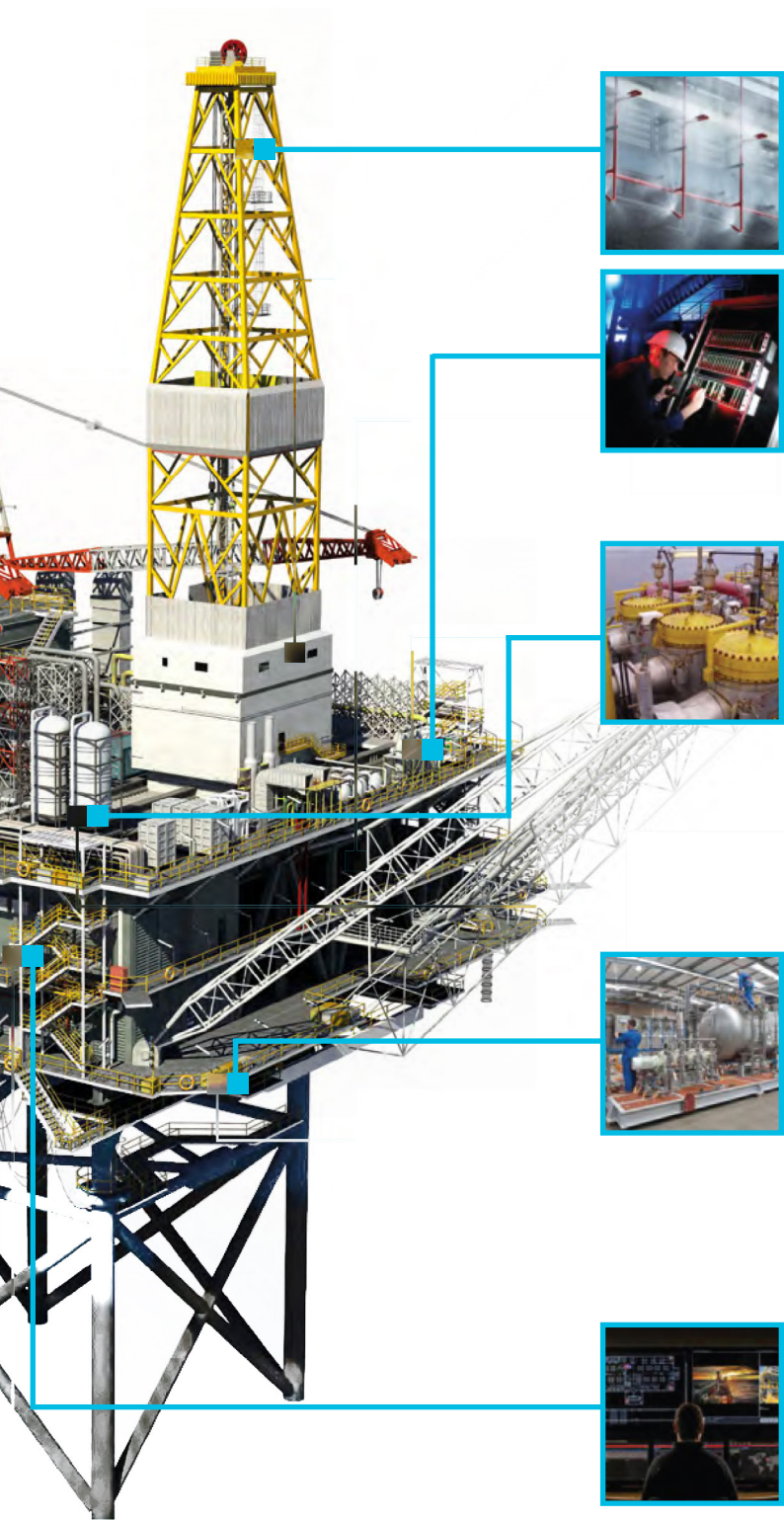
- Surveys and inspections
- Testing
- Hydraulic modelling
- System refurbishment, modifications, upgrades
- Chemical cleaning and de-scaling

## Telecommunications solutions

- Public Address and General Alarm (PAGA)
- Radio communication system
- Transmission networks
- PABX/Telephone system
- Backbone solutions (wired/wireless)
- Navigational aids and data collection
- Network management system







### Software studies (TSI)

- PAGA coverage study
- CCTV coverage study (3D/2D)
- Radio coverage study



### Security and surveillance

- Access control
- CCTV
- Security management system
- Physical security integrated system platform
- Personal tracking system
- Perimeter intrusion detection system



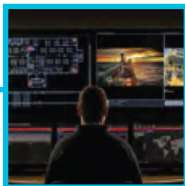
### Installation

- We provide installation for all our fire suppression and detection systems, including firefighting equipment
- Teams of skilled personnel are assigned at the facilities under the supervision of the construction manager and dedicated supervisors



### Fire safety maintenance

- Lifecycle maintenance for all fixed and portable fire suppression and detection systems, including loose firefighting equipment
- Our fire maintenance and support services offer high-quality support tailored to meet your fire and life safety requirements
- Comprehensive service offer
- Audit and training
- Hydro testing and refilling
- Non-comprehensive – customised services offer
- Retrofits
- Service attendance



# Safeguarding your business

Having us as your total solutions provider means your unique requirements are met. We offer all types of fire protection, fire detection, security and telecommunications systems to a wide range of market sectors. These include oil and gas, commercial, aviation, telecommunications, transportation, industrial, power and utilities and water.

Looking for the right solutions for your fire and security needs? We have the experience and expertise to help. Making organisations safer and protecting lives and property is what we do – it's why we've been chosen to protect iconic projects throughout the Middle East and Africa.



## Fire protection solutions

Explore a variety of fire protection solutions for critical petrochemical, oil and gas facilities. These include:

- Gas suppression systems
- Water spray systems
- Foam systems
- Firefighting and safety equipment



## Instrumentation

Analyse, detect, measure and control with our comprehensive range of engineered solutions. These include:

- Analysers
- Metering
- Fuel leak detection system
- Electrical heat tracing



## Telecom System Integration (TSI)

Our specialised telecommunications organisation is dedicated to the needs of the offshore, onshore, LNG and pipeline market segments, including:

- In-plant communication
- Backbone systems
- Safety and security systems
- Radio and navigational systems



## Fire and gas

Protect your business and employees from the risk of fire with our comprehensive range of solutions, including:

- Fire detection
- Flame detection
- Fixed gas detection



## Skid and panel building solutions

Under the supervision of a dedicated construction manager and supervisors, an experienced team is assigned to your facility. They have the skills and technical competence to perform critical tasks, such as fabrication, painting, assembly, testing and system verification works – all tailored to your needs and requirements.

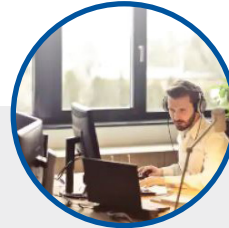


# Fabrication, panel build, assembly, testing and training facilities in the Middle East



## Comprehensive service offer

All-inclusive personalised service offering a premium level of ongoing support, where life safety and compliance are critical for operation



## Audit and training

A comprehensive survey of your facilities to identify any gaps and associated risks in the existing fire and life safety systems with respect to code regulations



## Hydro testing and refilling

Hydro testing, refilling and recommissioning of fire suppression equipment and fire extinguishers based on code regulations



## Customised services offer

A bespoke solution tailored to address your organisation's specific critical safety concerns in the most cost-effective way



## Service attendance

24/7 on-call support for any non-contracted customer requirements



## Retrofits

Modifications of your existing facility or systems to meet current compliance requirements or necessary operational changes



## Skid and panel building solutions

Under the supervision of the construction manager and dedicated supervisors, teams of skilled personnel are assigned to these facilities

# Integrated fire and security solutions

We create a safer and more secure future for you and those who rely on you.

## End-to-end capabilities

Get our support across your whole lifecycle – designing, building, maintaining, managing, retrofitting and replacing.

## Partnering for success

Partnering with other technology leaders, we amplify our own capabilities to seamlessly deliver world-class solutions for your business and industry.

## Depth of experience

We are world leaders in building technology, fire and security solutions, bringing our proven experience of almost 140 years to every project – big and small.

## Technology innovation

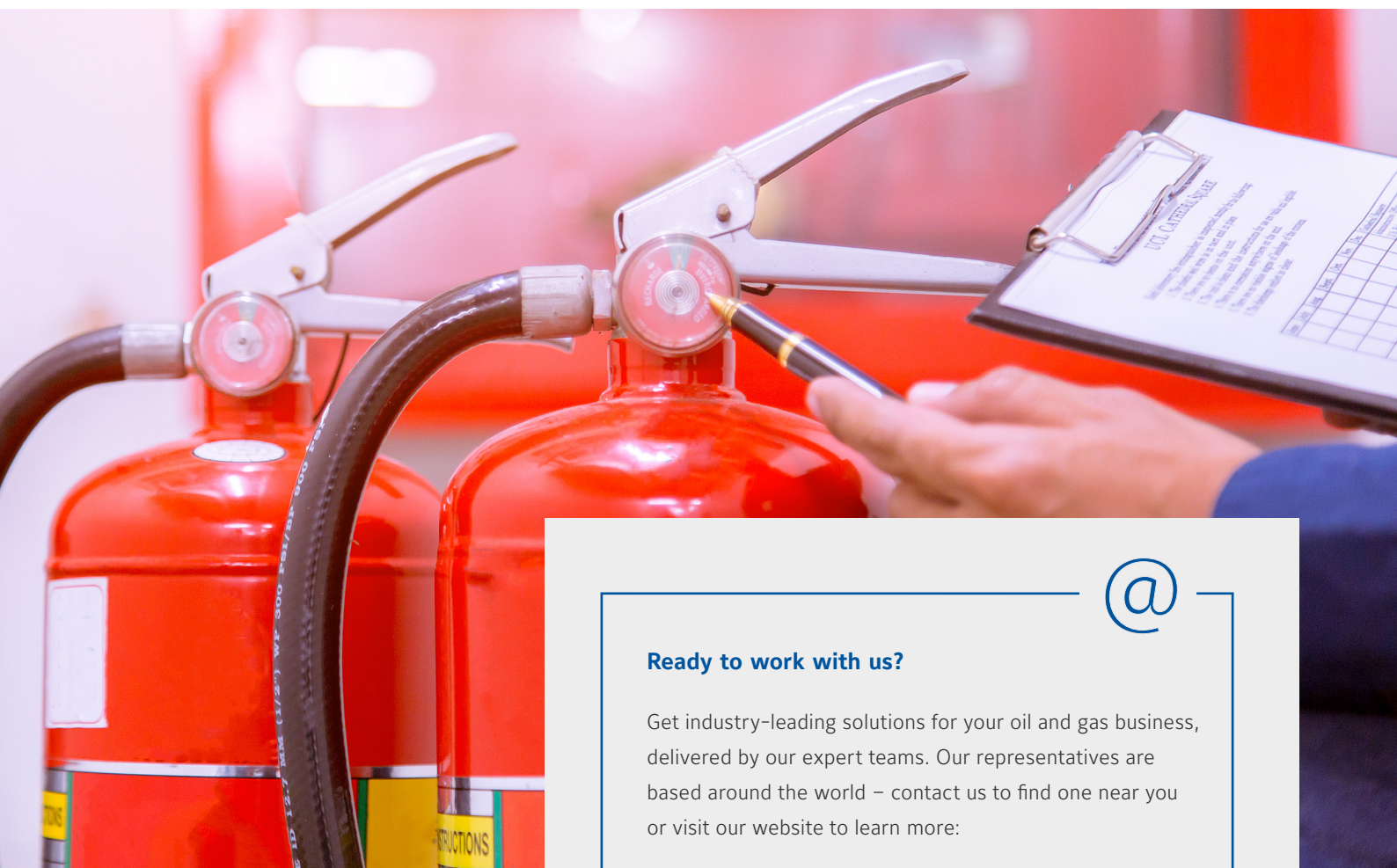
Delivering innovative and sustainable solutions, we provide optimal building security and performance to the oil and gas sector.

## Global footprint

Accelerate your goals in the Middle East and Africa with our local services and solutions.

## Local integration and testing hub

We offer a fully-fledged, 24/7 operational workshop, providing customised skid solutions to meet your requirements, including hydro testing, remote FAT testing and refilling.



### Ready to work with us?

Get industry-leading solutions for your oil and gas business, delivered by our expert teams. Our representatives are based around the world – contact us to find one near you or visit our website to learn more:

[www.johnsoncontrols.com](http://www.johnsoncontrols.com)



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Enjoy peace of mind  
with our industry-  
leading solutions.



## About Johnson Controls

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of nearly 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world's largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

Visit [www.johnsoncontrols.com](http://www.johnsoncontrols.com) for more information and follow @JohnsonControls on social platforms.

Visit [www.johnsoncontrols.com/en\\_middleeast](http://www.johnsoncontrols.com/en_middleeast) for more information and follow @johnson-controls-middle-east-and-africa on social platforms or email [tfsuae-info@tyco.com](mailto:tfsuae-info@tyco.com).

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The power behind **your mission**

